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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

Application Number	10/716,096
Filing Date	11/18/2003
First Named Inventor	Danek et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	761C4/CPI/LB/PJS
Submission Date	

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AK	A1	US-4,173,661	11-1979	Bourdon	
AK	A2	US-4,420,498	12-13-1983	Hirose et al.	
AK	A3	US-4,480,010	10-30-1984	Sasanuma et al.	
AK	A4	US-4,486,462	12-04-1984	Asahi, et al.	
AK	A5	US-4,619,748	10-28-1986	Moll, et al.	
AK	A6	US-4,629,635	12-1986	Brors	
AK	A7	US-4,683,149	7-28-1987	Suzuki, et al	
AK	A8	US-4,740,385	04-26-1988	Feuerstein et al.	
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AK	A11	US-4,874,494	10-17-1989	Ohmi et al.	
AK	A12	US-4,931,411	6-5-1990	Tigelaar et al.	
AK	A13	US-4,965,090	10-23-1990	Gartner, et al.	
AK	A14	US-4,985,372	1-15-1991	Narita	
AK	A15	US-5,000,113	03-19-1991	Wang et al.	
AK	A16	US-5,011,705	04-30-1991	Tanaka	
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AK	A18	US-5,053,245	10-01-1991	Kiyamu et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
AK	B1	EP 0 174 743	03-19-1986	Morton Thiokol Inc.		
AK	B2	EP 0 376 709	07-04-1990	Inoue et al		
AK	B3	EP 0 446 988	9/18/1991	Eniricerche SpA		
AK	B4	EP 0 477 990	04/1/1998	Applied Materials		
AK	B5	EP-0 545 602	6-1993	SGS THOMSON MICROELECTRONICS		

Examiner

Date Considered 9/29/04

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of 5

Application Number	10/716,096
Filing Date	11/18/2003
First Named Inventor	Danek et al.
Group Art Unit	
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		Number-Kind Code <sup>2</sup> (if known)			
AK	A19	US-5,057,185	10-1991	Thomas III et al.	
AK	A20	US-5,089,438	02-18-1992	Katz	
AK	A21	US-5,175,126	12-29-1992	Ho et al.	
AK	A22	US-5,246,881	09-21-1993	Sandhu et al.	
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AK	A24	US-5,254,499	10-19-1993	Sandhu et al.	
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		Country Code <sup>4</sup> -Number <sup>5</sup> -Kind Code <sup>6</sup> (if known)				
AK	B6	EP-0 678 903	10-1995	Tel Yamanishi KK		
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Examiner AK

Date Considered 9/29/04

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/716,096		
		Filing Date	11/18/2003		
		First Named Inventor	Danek et al.		
		Group Art Unit			
		Examiner Name			
		Attorney Docket Number	761C4/CPI/LB/PJS		
Sheet	3	of	5	Submission Date	

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		Number-Kind Code <sup>2</sup> (if known)			
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INK	A38	US-5,610,106	03-15-1984	Sasanuma et al.	
INK	A39	US-5,656,337	8-1997	Park et al.	
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	A51				
	A52				
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
INK	B11	JP 63-229814	9/26/1988	NEC		
INK	B12	JP 02-310918	03-12-1991	Fujitsu		
INK	B13	JP 03-135018	09-04-1991	Hitachi		
INK	B14	JP 04-100,221	07-21-1992	Fujitsu		
INK	B15	JP 05-230,639	12-17-1993	Oki Electric Inc.		

Examiner INK

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Sheet	4	of	5
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AW ML	B16	JP 06-120152	04-1994	Nippon Denso Co.		
	B17	GB-2 299 345	10-1996	Hyundai Electronics		
	B18					
	B19					
	B20					

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
AK	C1	EIZENBERG, "Chemical Vapor Deposition of TiN for ULSI applications:, Mat. Res. Symp Process, 427, 1996, Materials Research Society, p325-335	
AK	C2	PARK et al., "A Novel A1-Reflow Process Using Surface Modification by the ECR Plasma Treatment and its Application to the 256Mbit DRAM", International Electron Devices Meeting, US, New York, pp 109-112, Dec. 11, 1994	
AK	C3	RIE, et al., "Deposition of Titanium Nitride Layers by Means of Plasma-CVD," Harterei-Kolloquium 42,, October 5-10, 1986, Wiesbaden	
AK	C4	SMITH, D., "Thin-Film Deposition Principles and Practice," McGraw-Hill, Inc. Publishers, 1995, pp 423-432, 440-447 and 449-452	
AK	C5	WANG, et al., "Optimization of PVD Ti/CVD TiN Liner for 0.35 um Tungsten," Plug Technology, Mat. Res. Society Symp. Proc. 427, 1996, Materials Res. Soc. P383-387	

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AK

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